

#3

GAATTCGCGCAACGAATAATTATTATTAGCAATTATTAGCGATCAATAATCTTGATCACATT																				62
ATG	GCA	AGC	ACT	ATT	AAG	GAA	GCA	TTA	TCA	GTG	GTG	AGT	GAA	GAC	CAG	TCC	TTG	TTT	GAG	122
M	A	S	T	I	K	E	A	L	S	V	V	S	E	D	Q	S	L	F	E	20
TGT	GCC	TAC	GGA	TCG	CCC	CAC	CTT	GCA	AAG	ACA	GAA	ATG	ACA	GCC	TCC	TCT	TCC	AGT	GAA	182
C	A	Y	G	S	P	H	L	A	K	T	E	M	T	A	S	S	S	S	E	40
TAT	GGG	CAA	ACA	TCA	AAG	ATG	AGC	CCG	CGC	GTT	CCC	CAG	CAG	GAC	TGG	TTA	TCA	CAG	CCC	242
Y	G	Q	T	S	K	M	S	P	R	V	P	Q	Q	D	W	L	S	Q	P	60
CCG	GCC	AGA	GTT	ACC	ATT	AAG	ATG	GAG	TGT	AAC	CCA	AAC	CAG	GTT	AAT	GGG	TCA	AGG	AAT	302
P	A	R	V	T	I	K	M	E	C	N	P	N	Q	V	N	G	S	A	N	80
TCA	CCT	GAT	GAC	TGC	AGC	GTG	GCA	AAA	GGA	GGG	AAA	ATG	GTT	AGC	AGT	TCA	GAC	AAT	GTT	362
S	P	D	D	C	S	V	A	K	G	G	K	M	V	S	S	S	D	N	V	100
GGG	ATG	AAC	TAT	GGA	AGC	TAC	ATG	GAA	GAG	AAG	CAT	ATT	CCG	CCT	CCA	AAT	ATG	ACA	ACC	422
G	M	N	Y	G	S	Y	M	E	E	K	H	I	P	P	P	N	M	T	T	120
AAT	GAA	CGA	AGA	GTT	ATT	GTG	CCA	GCA	GAT	CCT	ACG	TTA	TGG	AGC	ACA	GAC	CAT	GTA	CGG	482
N	E	R	R	V	I	V	P	A	D	P	T	L	W	S	T	D	H	V	R	140
CAG	TGG	CTG	GAG	TGG	GCA	GTG	AAG	GAG	TAT	GGT	CTT	CCA	GAC	GTG	GAC	ATC	TTG	TTG	TTC	542
Q	W	L	E	W	A	V	K	E	Y	G	L	P	D	V	D	I	L	L	F	160
CAG	AAC	ATT	GAT	GGG	AAA	GAG	TTG	TGT	AAA	ATG	ACC	AAA	GAT	GAC	TTC	CAG	AGA	CTC	ACG	602
Q	N	I	D	G	K	E	L	C	K	M	T	K	D	D	F	Q	R	L	T	180
CCG	AGC	TAT	AAC	GCA	GAT	ATC	CTC	CTG	TCA	CAC	CTA	CAC	TAC	CTC	AGA	GAG	ACT	CTT	CTT	662
P	S	Y	N	A	D	I	L	S	H	L	H	L	H	L	R	E	T	P	L	200
CCA	CAT	TTG	ACT	TCA	GAT	GAT	GTT	GAT	AAG	GCC	TTA	CAA	AAC	TCT	CCA	CGG	TTA	ATG	CAT	722
P	H	L	T	S	D	D	V	D	K	A	L	Q	N	S	P	R	L	M	H	220
GCT	AGA	AAC	ACA	GGA	GGA	GCC	ACT	TTT	ATT	TTT	CCA	AAT	ACA	TCA	GTT	TAC	CCA	GAA	GCA	782
A	R	N	T	G	G	A	T	F	I	F	P	N	T	S	V	Y	P	E	A	240
ACG	CAA	AGA	ATA	ACA	ACA	AGG	CCA	GAT	TTA	CCT	TAT	GAG	CAA	GCG	AGG	AGA	TCA	GCG	TGG	842
T	Q	R	I	T	T	R	P	D	L	P	Y	E	Q	A	R	R	S	A	W	260
ACG	AGT	CAC	AGC	CAT	CCC	ACT	CAG	TCA	AAA	GCT	ACC	CAA	CCA	TCA	TCT	TCA	ACA	GTG	CCC	902
T	S	H	S	H	P	T	Q	S	K	A	T	Q	P	S	S	S	T	V	P	280
AAA	ACA	GAA	GAC	CAG	CGT	CCT	CAG	TTA	GAT	CCT	TAT	CAG	ATT	CTT	GGA	CCG	ACC	AGC	AGC	962
K	T	E	D	Q	R	P	Q	L	D	P	Y	Q	I	L	G	P	T	S	S	300
CGT	CTT	GCA	AAT	CCA	GGG	AGT	GGG	CAG	ATA	CAG	CTA	TGG	CAG	TTC	CTA	CTG	GAG	CTT	CTG	1022
R	L	A	N	P	G	S	G	Q	I	Q	L	W	Q	F	L	L	E	L	L	320
TCG	GAC	AGC	TCC	AAC	TCC	AAC	TGC	ATC	ACC	TGG	GAG	GGC	ACA	AAT	GGG	GAG	TTC	AAG	ATG	1082
S	D	S	S	N	S	N	C	I	T	W	E	G	T	N	G	E	F	K	M	340
ACA	GAC	CCT	GAT	GAA	GTG	GCT	CGG	CGT	TGG	GGA	GAG	AGG	AAA	AGC	AAA	CCT	AAC	ATG	AAC	1142
T	D	P	D	E	V	A	R	R	W	G	E	R	K	S	K	P	N	M	N	360
TAT	GAC	AAA	CTC	AGC	CGT	GCA	CTT	CGC	TAC	TAC	TAT	GAC	AAA	AAT	ATT	ATG	ACT	AAA	GTT	1202
Y	D	K	L	S	R	A	L	R	Y	Y	Y	D	K	N	I	M	T	K	V	380
CAT	GGT	AAA	CGC	TAT	GCC	TAC	AAA	TTT	GAT	TTC	CAC	GGA	ATC	GCT	CAG	GCC	CTC	CAG	CCT	1262
H	G	K	R	Y	A	Y	K	F	D	F	H	G	I	A	Q	A	L	Q	P	400
CAC	CCT	CCA	GAA	TCA	TCC	ATG	TAC	AAA	TAC	CCA	TCA	GAC	CTC	CCC	TAC	ATG	AGT	TCC	TAC	1322
H	P	P	E	S	S	M	Y	K	Y	P	S	D	L	P	Y	M	S	S	Y	420
CAT	GCA	CAC	CCC	CAG	AAG	ATG	AAC	TTT	GTA	GCT	CCC	CAT	CCC	CCT	GCT	TTG	CCC	GTA	ACC	1382
H	A	H	P	K	M	N	F	V	A	P	H	P	P	P	A	L	P	V	T	440
TCA	TCC	AGC	TTT	TTT	GCT	GCC	CCT	AAT	CCA	TAC	TGG	AAT	TCA	CCA	ACT	GGA	GGC	ATC	TAC	1442
S	S	S	F	F	A	A	P	N	P	Y	W	N	S	P	T	G	G	I	Y	460
CCC	AAT	ACC	AGG	CTG	CCA	GCT	GCT	CAT	ATG	CCT	TCC	CAT	CTT	GGC	ACC	TAC	TAC	TAA	GTG	1502
P	N	T	R	L	P	A	A	H	M	P	S	H	L	G	T	Y	Y	.		478
GGGAAAGAAAGAAAGCGCCAAGAAAA																				1516

Fig.2

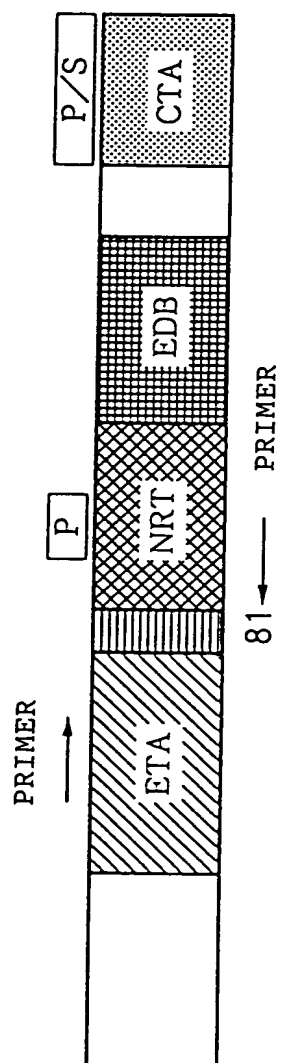


Fig.3

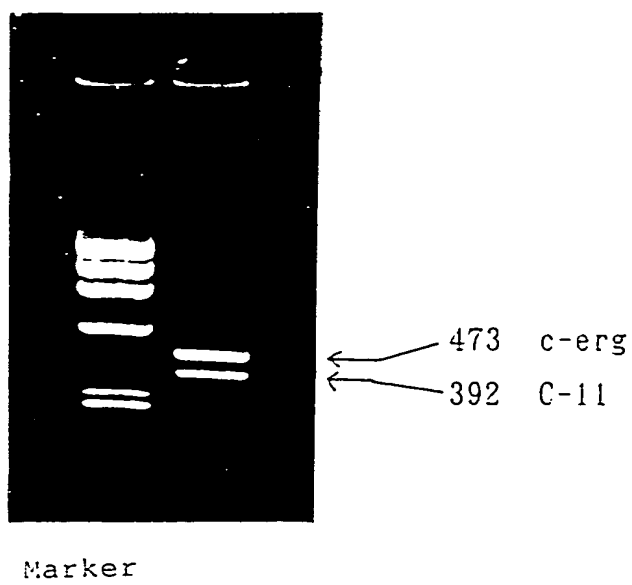


Fig.4

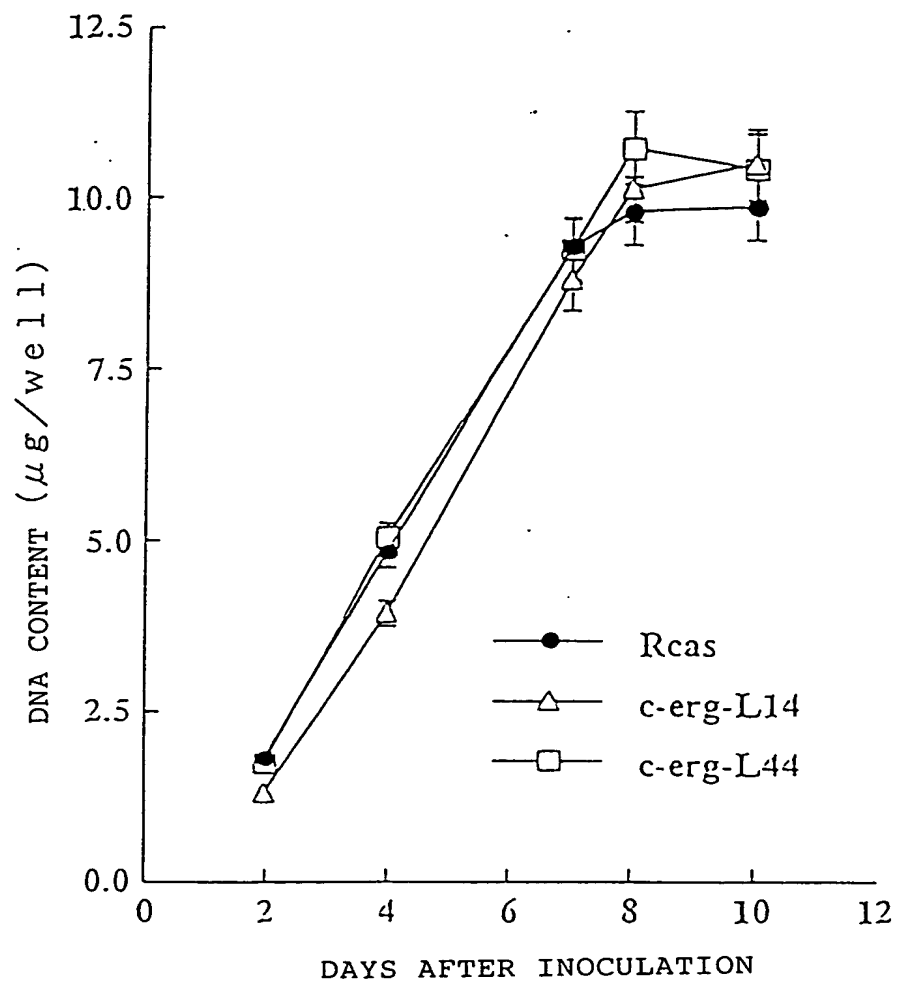


Fig.5

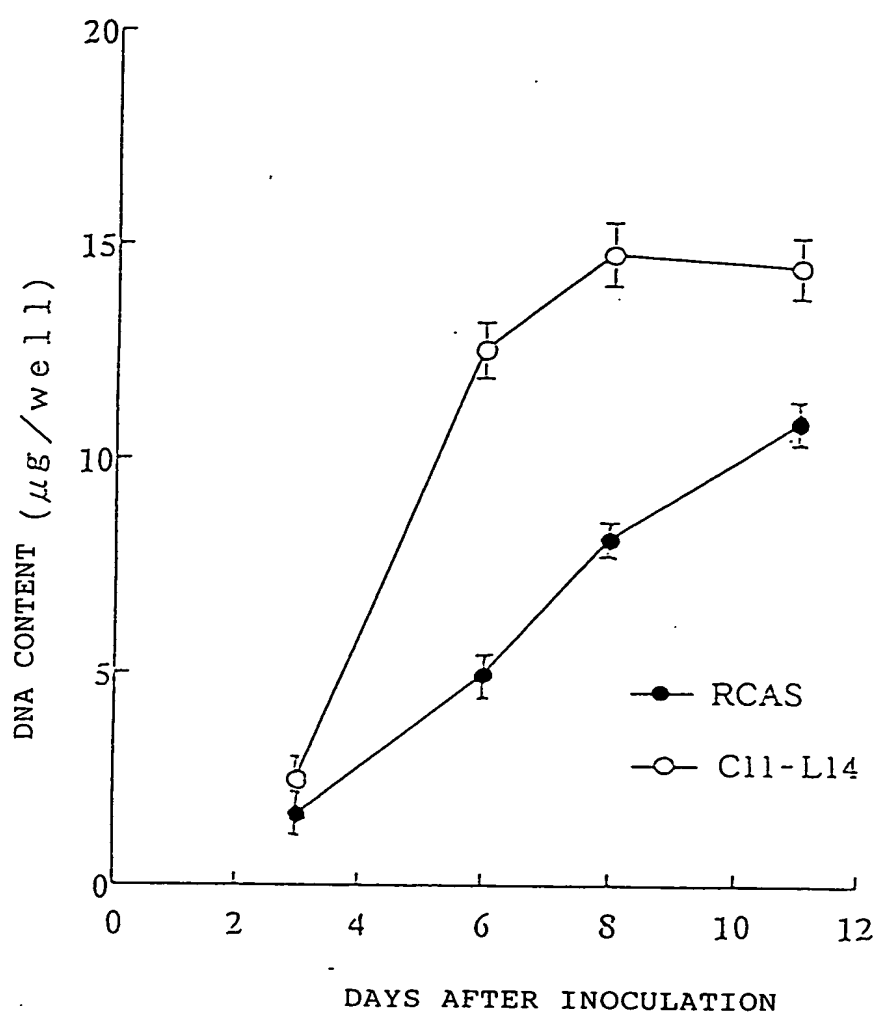


Fig.6

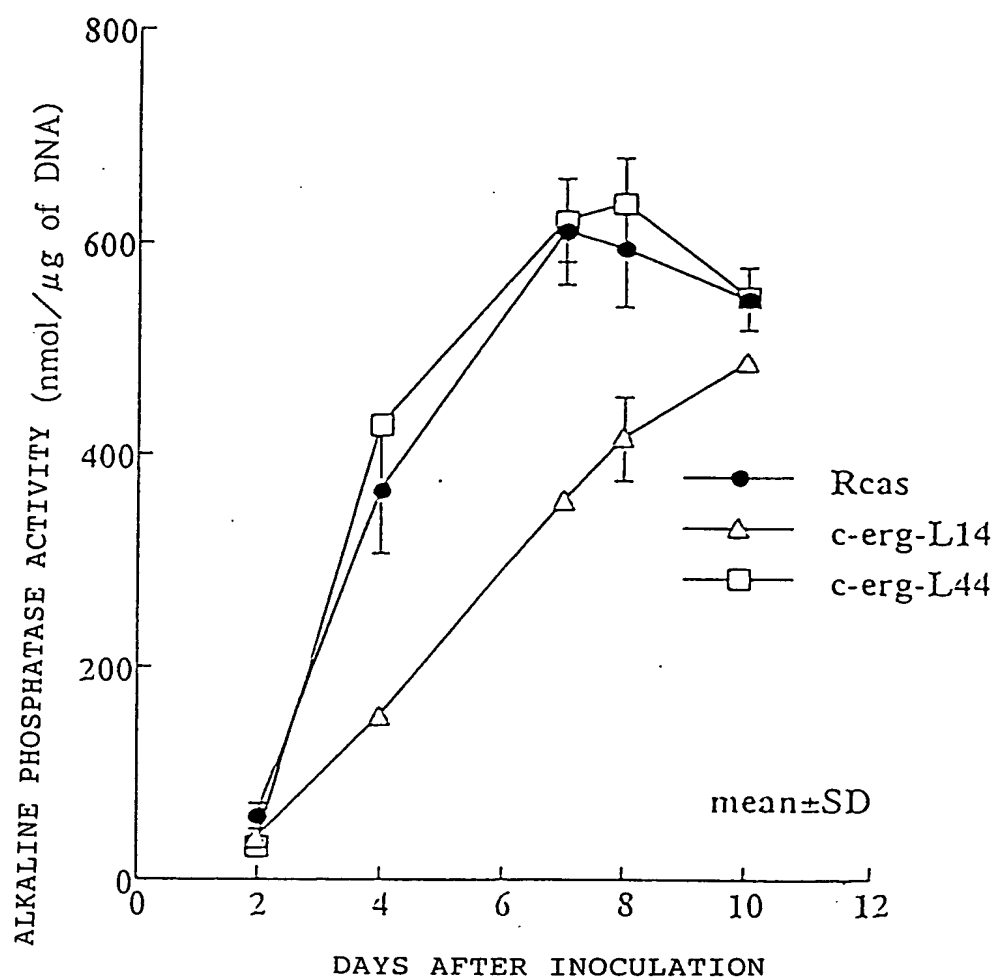


Fig.7

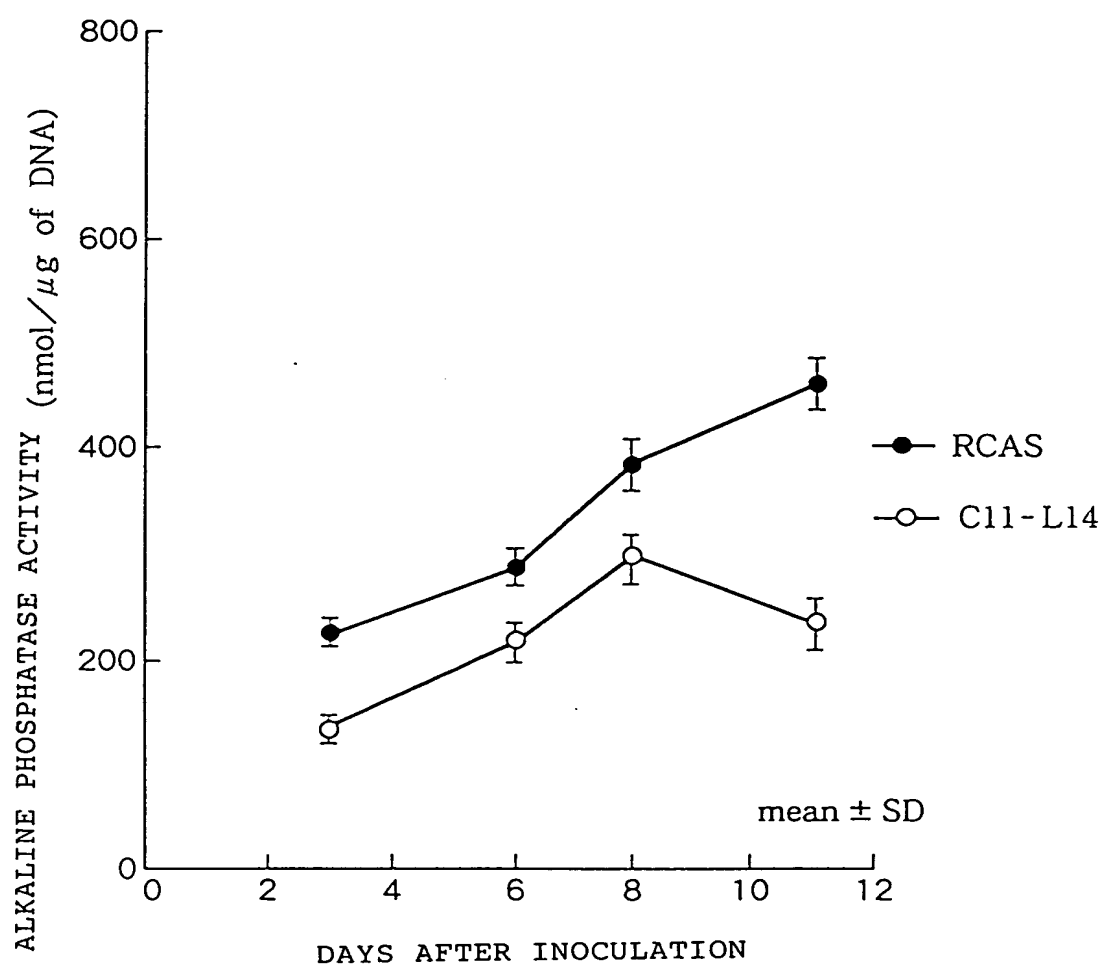
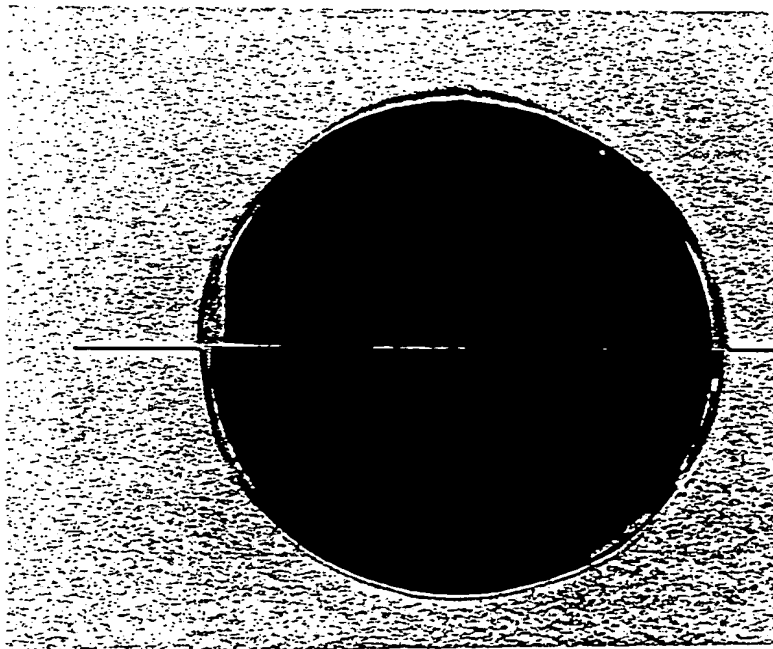


Fig.8



uninfected

Rcas

Fig.9

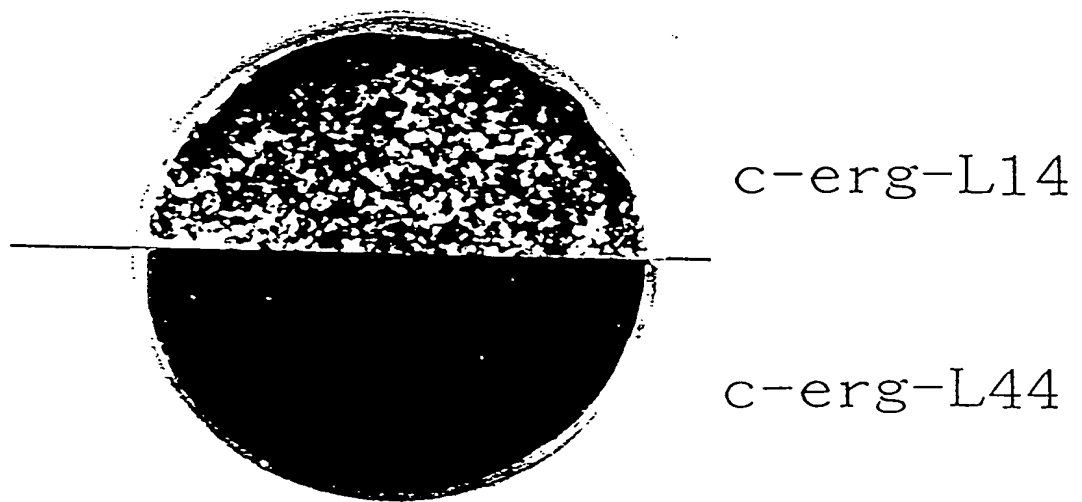


Fig.10

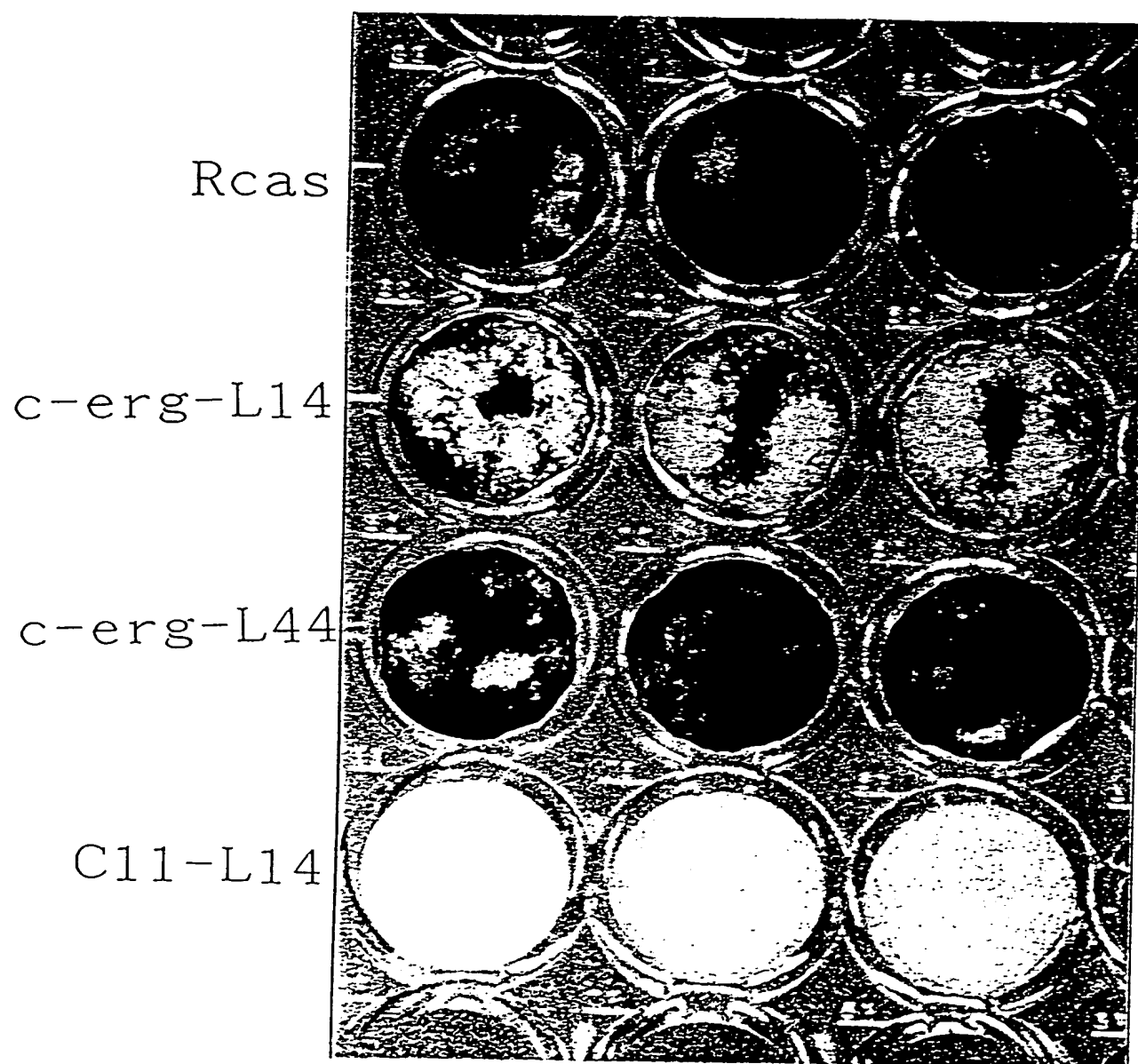


Fig.11

